Hurricane Rita Wind Distribution

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Wind Distribution

This model is based on a Category 4 storm making landfall to the west of Port Arthur, TX.

Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Wind Fields

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Debris Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Debris Model Results

Louisiana – yd^3
Texas – yd^3

Model results per county on following page

This model is based on a Category 4 storm making landfall to the west of Port Arthur, TX.

Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Debris Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Debris Model

Landfall Expected In About **12** Hours

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US Army Corps of Engineers

Hurricane Rita Debris Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Ice Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Ice Model Results

Louisiana –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Texas –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Model results per county on following page

This model is based on a Category 4 storm making landfall to the

Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast. The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers	**Hurricane Rita Ice Model**
Generated By: Paul Deatrick, LRL 1730 EDT 09/23/2005	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 15

Hurricane Rita Ice Model

Landfall Expected In About **12** Hours

For Official Use Only!

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Rita will have power outage in this area will cause a need for ice.

Details about this model may be obtained at

https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Ice Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Water Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Water Model Results

Louisiana –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Texas –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Model results per county on following page

This model is based on a Category 4 storm making landfall to the west of Port Arthur, TX.

Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast. The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Water Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Water Model

Landfall Expected In About **12** Hours

For Official Use Only!

The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Rita will have power outage in this area will cause a need for water.

Details about this model may be obtained at https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Water Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Population Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Population Model Results

Louisiana – persons
Texas – persons

Model results per county on following page

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Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers **Hurricane Rita Population Model**	
Generated By: Paul Deatrick, LRL 1730 EDT 09/23/2005	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 15

Hurricane Rita Population Model

Landfall Expected In About **12** Hours

For Official Use Only!

The number of persons estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers **Hurricane Rita Population Model**

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Households Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Households Model Results

Louisiana – households
Texas – households

Model results per county on following page

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Hurricane Rita Households Model

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Sources:
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LRL-DEBRIS

Hurricane Rita Households Model

Landfall Expected In About **12** Hours

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US Army Corps of Engineers

Hurricane Rita Households Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Temporary Roofing Model Results

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Temporary Roofing Model Results

Louisiana –
Texas –

Model results per county on following page

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Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast. The amount of temporary roofing that may be required is based on 1% of housing units damaged in CAT 1 wind areas, 3% of housing units damaged in CAT 2 wind areas, 5% of housing units damaged in CAT 3 wind areas, and 7% of housing units damaged in CAT 4 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Roofing Model

Generated By:
Paul Deatrick, LRL 1730 EDT 09/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Temporary Roofing Model Results

Landfall Expected In About **12** Hours

For Official Use Only!

THIS IS AN EXPERIMENTAL MODEL !! THE VALUES ARE PRELIMINARY AND SHOULD BE CONSIDERED A GUIDE BUT NOT AN ABSOLUTE VALUE !!

The amount of temporary roofing that may be required is based on 1% of housing units damaged in CAT 1 wind areas, 3% of housing units damaged in CAT 2 wind areas, 5% of housing units damaged in CAT 3 wind areas, and 7% of housing units damaged in CAT 4 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

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US Army Corps of Engineers

Hurricane Rita Roofing Model

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Sources:
HURREVAC
LRL-DEBRIS

Hurricane Rita Temporary Housing Model Results

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Temporary Housing Model Results

Louisiana –
Texas –

Model results per county on following page

This model is based on a Category 4 storm making landfall to the west of Port Arthur, TX.

Information provided on this page displays a Category 4 storm making landfall to the west of Port Arthur, TX. These projections are based on information from the NHC ***(1700 EDT 09/23/2005)*** forecast. The amount of temporary housing that may be required is based on no housing need in CAT 1 wind area, 2% of housing units requiring temporary replacement in CAT 2 wind areas, 4% of housing units requiring temporary replacement in CAT 3 wind areas, and 6% of housing units requiring temporary replacement in CAT 4 wind areas.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Rita Housing Model

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Paul Deatrick, LRL 1730 EDT 09/23/2005

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LRL-DEBRIS

Hurricane Rita Temporary Housing Model Results

Landfall Expected In About **12** Hours

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